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(54) FOLDING DEVICE FOR ROTARY PRINTER

(57) Abstract:

PURPOSE: To enable regulation of a phase between drums also during working of a machine, by a method wherein a regulating means to vary a relative rotation phase between two drums performing delivery is located between gear train s to interlock the two drums.

CONSTITUTION: When a regulating handle 41 is rotated for control, a support shaft 38 is moved axially accompanied with a regulating gear 37 to change an axial position between an intermediate gear 36 and the regulating gear 37 and that between the regulating gear 37 and a drive gear 33. As a result, an engaging position between the gears is varied, a relative rotation phase between the intermediate gear 36, the regulating gear 37, and that between the regulating gear 37 and the drive gear 33 are respectively changed, and resultantly a phase between a nipping drum 14 and a reduction drum 15 is regulated. Similarly, through control of rotation of a regulating handle 48, a relative rotation phase between the reduction drum 15 and an upper cogging drum 16 is regulated. Further, a handle is provided for regulating a relative rotation phase between the reduction drum 15 and a lower cogging 17. Since regulation control is practicable

during operation of the folding device without stopping the folding device, working efficiency is prevented from lowering.

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